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    Wenchell

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(54) **METHOD OF STAPLING TISSUES WITH A STAPLE ASSEMBLY**

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(57)   **ABSTRACT**

There is provided a variable size, uniform compression staple assembly for use in stapling differing thicknesses of tissues. The staple assembly includes a staple and a staple block for receipt of tissue penetrating tips of the staple. Upon assembly through tissue, the tissue penetrating tips of the staple lodge within the staple block to a depth inversely proportional to the thickness of the tissues being stapled. There is also disclosed an anvil configured for use with the staple assembly.

5 Claims, 4 Drawing Sheets